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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.10.b 10 O'Clock (PEER 15) Gate Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.10		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approved: Signature on File
 Collider-Accelerator Department Chairman Date

V. Castillo

4.120.10.b 10 O'Clock (PEER 15) Gate Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:_____ **Checksum:** _____

Division B Software Filename and Checksum: Title:_____ **Checksum:** _____

Initial testing complete:

Test Team Leader's Name (Print): _____ **Life Number:** _____

Test Team Leader's Name (Sign): _____ **Date:** ____/____/____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader's Name (Print): _____ **Life Number:** _____

Test Team Leader's Name (Sign): _____ **Date:** ____/____/____

Test results reviewed by:

Safety Section Head's Name (Print): _____ **Life Number:** _____

Safety Section Head's Name (Sign): _____ **Date:** ____/____/____

Test results accepted by Radiation Safety Committee:

RSC Member's Name (Print): _____ **Life Number:** _____

RSC Member's Name (Sign): _____ **Date:** ____/____/____

1.1 CONDUCT Visual check on **Peer 15** gates following Table-1, below

Gate	Micro Switch		Elec Wiring	Gate Box	Lights	Gate Functions			Verify all x's Corr.	Inspn O.K. Init.
	Align	Opern				Open	Self-Closing	Latch		
9GS11I									<input type="checkbox"/>	
9GS11O									<input type="checkbox"/>	
9EL1									<input type="checkbox"/>	
9GI1									<input type="checkbox"/>	
9ED1									<input type="checkbox"/>	
10GE1									<input type="checkbox"/>	
10GI1I									<input type="checkbox"/>	
10GI1O									<input type="checkbox"/>	
10EL1									<input type="checkbox"/>	
10ED1									<input type="checkbox"/>	
11GS1									<input type="checkbox"/>	

Legend: Tick = O.K. x = Problem N/A = Not Applicable

Table 1: Summary of Physical Inspection of Peer 15 Gates

1.2 Test INNER GATE at 9GS1:

- ☐ **VERIFY** Gate has been inspected
- ☐ **PLACE** **PEER 17** in **Restricted Access (Mode 8)**
- ☐ **VERIFY** **PEER 17** is in **Restricted Access** **MODE 8**
- ☐ **PLACE** **PEER 15** in **Controlled Access (MODE 16)**
- ☐ **VERIFY** **PEER 15** is in **Controlled Access** **MODE 16**
- ☐ **VERIFY** The warning lights and **LED message** on both sides of the gate indicate: **Stop Call MCR for Access – ext 7400 Stop** **ON**
- ☐ **OPEN** The gate
- ☐ **VERIFY** **MCR** sees the gate is **OPEN**
- ☐ **HOLD** Both of the PEER 15 gate micro switches **MADE**
- ☐ **VERIFY** **MCR** sees the gate is **CLOSED**
- ☐ **RELEASE** Div A PEER 15 micro switch
- ☐ **VERIFY** **MCR** indicates **Div A** **OPEN**
- ☐ **HOLD** Both of the PEER 15 gate micro switches **MADE**
- ☐ **VERIFY** **MCR** sees the gate is **CLOSED**
- ☐ **RELEASE** Div B PEER 15 micro switch
- ☐ **VERIFY** **MCR** indicates **Div B** **OPEN**
- ☐ **CLOSE** The gate
- ☐ **VERIFY** **MCR** sees the gate is **CLOSED**
- ☐ **VERIFY** The **9Z1** gate box Gate Reset light is **OFF**

	RESET	The gate with #15 RC Sweep key at 9Z1 inner gate box	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	RESET
<input type="checkbox"/>	VERIFY	The 9Z1 gate box Gate Reset light is	ON
	OPEN	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
<input type="checkbox"/>	VERIFY	The 9Z1 gate box Gate Reset light is	OFF
	CLOSE	The gate	
	PLACE	PEER 15 in Controlled Access (MODE 17)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Controlled Access	MODE 17
<input type="checkbox"/>	VERIFY	The warning lights and LED message on both sides of the gate indicate: Stop Call MCR for Access – ext 7400 Stop	ON
	PLACE	PEER 15 in Restricted Access (Mode 8)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Restricted Access	MODE 8
<input type="checkbox"/>	VERIFY	The warning lights and LED message on both sides of the gate indicate: Access Permitted	ON
	PLACE	PEER 15 in Safe Access (Mode 2)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Safe Access	MODE 2
<input type="checkbox"/>	VERIFY	The warning lights and LED message on both sides of the gate indicate: Stop Call MCR for Access – ext 7400 Stop	ON
<input type="checkbox"/>	CHECK	for test acceptance of INNER GATE at 9GS1	

1.3 Test OUTER GATE at 9GS1:

	PLACE	PEER 15 in Controlled Access (MODE 16)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Controlled Access	MODE 16
<input type="checkbox"/>	VERIFY	The warning lights on both sides of the gate indicate: CALL MCR FOR CROSSOVER AMBER	ON
	OPEN	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
	HOLD	Both of the PEER 15 gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
	RELEASE	Div A PEER 15 micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div A	OPEN
	HOLD	Both of the PEER 15 gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
	RELEASE	Div B PEER 15 micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div B	OPEN
	CLOSE	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	CHECK	for test acceptance of OUTER GATE at 9GS1	

1.4 Test ESCAPE DOOR at 9EL1:

<input type="checkbox"/>	VERIFY	Gate has been inspected	
<input type="checkbox"/>	VERIFY	The door cannot be opened from	OUTSIDE
<input type="checkbox"/>	VERIFY	PEER 17 is in Restricted Access	MODE 8
<input type="checkbox"/>	PLACE	PEER 15 in Controlled Access (MODE 16)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Controlled Access	MODE 16
<input type="checkbox"/>	OPEN	The door	
<input type="checkbox"/>	VERIFY	MCR sees the door is	OPEN
<input type="checkbox"/>	SECURE	The Security Bar micro switch	MADE
<input type="checkbox"/>	HOLD	Both of the door micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	RELEASE	Div A door micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div A	OPEN
<input type="checkbox"/>	HOLD	Both of the door micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	RELEASE	Div B door micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div B	OPEN
<input type="checkbox"/>	HOLD	Both of the door micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the door is	CLOSED
<input type="checkbox"/>	RELEASE	The Security Bar micro switch	
<input type="checkbox"/>	VERIFY	MCR sees the door is	OPEN
<input type="checkbox"/>	CLOSE	The door and latch the Security Bar	
<input type="checkbox"/>	VERIFY	The 9EL1 Door Reset light is	OFF
<input type="checkbox"/>	RESET	The Door with #15 RC Sweep key at 9EL1 gate box	
<input type="checkbox"/>	VERIFY	MCR sees the 9EL1 door is	RESET
<input type="checkbox"/>	VERIFY	The 9EL1 Door Reset light is	ON
<input type="checkbox"/>	OPEN	The door	
<input type="checkbox"/>	VERIFY	MCR sees the door is	OPEN
<input type="checkbox"/>	VERIFY	The 9EL1 gate box Gate Reset light is	OFF
<input type="checkbox"/>	CLOSE	The door	
<input type="checkbox"/>	VERIFY	MCR sees the door is	CLOSED
<input type="checkbox"/>	VERIFY	The 9EL1 gate box Gate Reset light is	OFF

☐ **CHECK** for test acceptance of **ESCAPE DOOR** at **9EL1**

1.5 Test of INNER GATE at 9GI1

<input type="checkbox"/>	VERIFY	INNER Gate at 9GI1 has been inspected	
<input type="checkbox"/>	VERIFY	PEER 17 is in Restricted Access	MODE 8
<input type="checkbox"/>	PLACE	PEER 15 in Controlled Access (MODE 16)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Controlled Access	MODE 16
<input type="checkbox"/>	VERIFY	The warning lights and LED message: Stop Call MCR for Access X-7400 Stop on 9Z1 side of the gate is	ON
<input type="checkbox"/>	VERIFY	The 10Z1 gate box Controlled Access light is	ON
<input type="checkbox"/>	OPEN	Gate 9GI1 with Simultaneous Release and #14 CA Key	
<input type="checkbox"/>	VERIFY	Simultaneous Release Buzzer	SOUNDS
<input type="checkbox"/>	VERIFY	Gate 9GI1 is	OPEN
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN

	SECURE	The Electric Strike micro switch	MADE
	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
	RELEASE	Div A micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div A	OPEN
	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
	RELEASE	Div B micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div B	OPEN
	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
	RELEASE	The Electric Strike micro switch	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
	CLOSE	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	VERIFY	The 10Z1 gate box Gate Reset light is	OFF
	RESET	The gate with #15 RC Sweep key at 10Z1 inner gate box	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	RESET
<input type="checkbox"/>	VERIFY	The 10Z1 gate box Gate Reset light is	ON
	OPEN	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
<input type="checkbox"/>	VERIFY	The 10Z1 gate box Gate Reset light is	OFF
	CLOSE	The gate	
	PLACE	PEER 15 in Controlled Access (MODE 17)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Controlled Access	MODE 17
<input type="checkbox"/>	VERIFY	The 10Z1 gate box Controlled Access light is	ON
<input type="checkbox"/>	VERIFY	The warning lights and LED message: Stop Call MCR for Access X-7400 Stop on 9Z1 side of the gate is	ON
	OPEN	Gate 9GI1 from 10Z1 with the #14 RC CA key and Simultaneous Release	
<input type="checkbox"/>	VERIFY	Gate 9GI1 is	OPEN
	CLOSE	Gate 9GI1	
	PLACE	PEER 15 in Restricted Access (Mode 8)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Restricted Access	MODE 8
<input type="checkbox"/>	VERIFY	The 10Z1 gate box Restricted Access light is	ON
<input type="checkbox"/>	VERIFY	The warning lights and LED message: Access Permitted is	ON
<input type="checkbox"/>	VERIFY	Attempt to open gate 9GI1 with S key is	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open Gate 9GI1 with #14 RC CA key is	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open 9GI1 with Blue card	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open 9GI1 with Expt. _____ card	FAIL
<input type="checkbox"/>	VERIFY	During attempt with Expt. Card Reader light is	RED
	PLACE	PEER 15 in Safe Access (Mode 2)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Safe Access	MODE 2

- | | | | |
|--------------------------|---------------|---|-------------|
| <input type="checkbox"/> | VERIFY | The 10Z1 gate box Controlled Access light is | ON |
| <input type="checkbox"/> | VERIFY | The warning lights and LED message: Stop Call MCR for Access X-7400 Stop on 9Z1 side of the gate is | ON |
| <input type="checkbox"/> | OPEN | Gate 9GI1 with Simultaneous Release and S Key | |
| <input type="checkbox"/> | VERIFY | Attempt to open gate 9GI1 with Simultaneous Release and S Key | FAIL |
| <input type="checkbox"/> | OPEN | Gate 9GI1 with Simultaneous Release and #14 CA Key | |
| <input type="checkbox"/> | VERIFY | Gate 9GI1 is | OPEN |
| <input type="checkbox"/> | CLOSE | Gate 9GI1 | |
| <input type="checkbox"/> | CHECK | for test acceptance of INNER GATE at 9GI1 | |

1.6 Test OUTER GATE at 9GI1:

- | | | | |
|--------------------------|----------------|---|----------------|
| <input type="checkbox"/> | PLACE | PEER 15 in Controlled Access (MODE 16) | MODE 16 |
| <input type="checkbox"/> | VERIFY | PEER 15 is in Controlled Access | |
| <input type="checkbox"/> | VERIFY | The warning lights on both sides of the gate indicate: | ON |
| | | CALL MCR FOR CROSSOVER AMBER | |
| <input type="checkbox"/> | OPEN | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| | SECURE | The Electric Strike micro switch | MADE |
| | HOLD | Both of the gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div A micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div A | OPEN |
| | HOLD | Both of the gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div B micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | HOLD | Both of the gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | The Electric Strike micro switch | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| <input type="checkbox"/> | CLOSE | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | |
| <input type="checkbox"/> | CHECK | for test acceptance of OUTER GATE at 9GI1 | |

1.7 Test of EXIT DOOR 9ED1

- | | | | |
|--------------------------|----------------|---|----------------|
| <input type="checkbox"/> | VERIFY | Gate has been inspected | |
| <input type="checkbox"/> | VERIFY | The door cannot be opened from | OUTSIDE |
| <input type="checkbox"/> | VERIFY | PEER 17 is in Restricted Access | MODE 8 |
| | PLACE | PEER 15 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 15 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The warning light inside the gate indicates: | |
| | | CALL MCR FOR EXIT | AMBER |
| | | | ON |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| | RELEASE | Div A door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div A | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| | RELEASE | Div B door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | CLOSE | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| <input type="checkbox"/> | VERIFY | The 9ED1 Door Reset light is | OFF |
| | RESET | The Door with #15 RC Sweep key at 9ED1 gate box | |
| <input type="checkbox"/> | VERIFY | MCR sees the 9ED1 door is | RESET |
| <input type="checkbox"/> | VERIFY | The 9ED1 Door Reset light is | ON |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| <input type="checkbox"/> | VERIFY | The 9ED1 gate box Gate Reset light is | OFF |
| | CLOSE | The door | |
| <input type="checkbox"/> | CHECK | for test acceptance of ESCAPE DOOR at 9ED1 | |

1.8 Test of ENTRY GATE at 10GE1

- | | | | |
|--------------------------|---------------|--|----------------|
| <input type="checkbox"/> | VERIFY | Entry Gate at 10GE1 has been inspected | |
| <input type="checkbox"/> | VERIFY | PEER 17 is in Restricted Access | MODE 8 |
| | PLACE | PEER 15 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 15 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The warning lights and LED message: Stop Call MCR for Access X-7400 Stop on inside of the gate is | ON |
| <input type="checkbox"/> | VERIFY | The Exterior gate box Controlled Access light is | ON |
| | OPEN | Gate 10GE1 with Simultaneous Release and #14 CA Key | |
| <input type="checkbox"/> | VERIFY | Simultaneous Release Buzzer | SOUNDS |
| <input type="checkbox"/> | VERIFY | Gate 10GE1 is | OPEN |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| | SECURE | The Electric Strike micro switch | MADE |
| | HOLD | Both of the gate micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |

<input type="checkbox"/>	RELEASE	Div A micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div A	OPEN
	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
	RELEASE	Div B micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div B	OPEN
	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
	RELEASE	The Electric Strike micro switch	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
	CLOSE	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
	RESET	The gate from MCR	
<input type="checkbox"/>	VERIFY	MCR sees gate	RESET
	PLACE	PEER 15 in Restricted Access (MODE 17)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Restricted Access	MODE 17
<input type="checkbox"/>	VERIFY	The Exterior gate box Restricted Access light is	ON
<input type="checkbox"/>	VERIFY	The warning lights and LED message: Access Permitted is	ON
	OPEN	Gate 10GE1 from gate box with the S key	
<input type="checkbox"/>	VERIFY	Gate 10GE1 is	OPEN
	OPEN	Gate 10GE1 with the #14 RC CA key	
<input type="checkbox"/>	VERIFY	Gate 10GE1 is	OPEN
	CLOSE	Gate 10GE1	
	PLACE	PEER 15 in Restricted Access (Mode 8)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Restricted Access	MODE 8
<input type="checkbox"/>	VERIFY	The Exterior gate box Restricted Access light is	ON
<input type="checkbox"/>	VERIFY	The warning lights and LED message: Access Permitted is	ON
<input type="checkbox"/>	VERIFY	Attempt to open gate 10GE1 with S key is	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open Gate 10GE1 with #14 RC CA key is	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open 10GE1 with Blue card is	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open gate 10GE1 with Phobos card is	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open 10GE1 with any other Expt. Card: _____	FAIL
<input type="checkbox"/>	VERIFY	During attempt with Expt. Card Reader light is	RED
	PLACE	PEER 15 in Safe Access (Mode 2)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Safe Access	MODE 2
<input type="checkbox"/>	VERIFY	The Exterior gate box Controlled Access light is	ON
<input type="checkbox"/>	VERIFY	The warning lights and LED message: Stop Call MCR for Access X-7400 Stop on 9Z1 side of the gate is	ON
	OPEN	Gate 10GE1 with Simultaneous Release and S Key	
<input type="checkbox"/>	VERIFY	Attempt to open gate 10GE1 with Simultaneous Release and S Key	FAIL
	OPEN	Gate 10GE1 with Simultaneous Release and #14 CA Key	
<input type="checkbox"/>	VERIFY	Gate 10GE1 is	OPEN
	CLOSE	Gate 10GE1	
<input type="checkbox"/>	CHECK for test acceptance of ENTRY GATE at 10GE1		

- 1.9 Test of Iris Scanner and Local Keytree located at gate 10GE1**
- | | | | |
|--------------------------|----------------|---|---------------------|
| | PLACE | PEER 7 in CA, Mode 16 | |
| <input type="checkbox"/> | VERIFY | PEER 7 is in CA | MODE 16 |
| | SCAN | Valid Personnel with Iris Scanner at gate 10GE1 | |
| <input type="checkbox"/> | VERIFY | Valid Personnel is | RECOGNIZED |
| <input type="checkbox"/> | VERIFY | First PHOBOS key in Local keytree at 10GE1 | RELEASED |
| <input type="checkbox"/> | VERIFY | Attempt to enter 10GE1 with PHOBOS key and SR is | SUCCESSFUL |
| | SCAN | Valid Personnel with Iris Scanner at 10GE1 | |
| <input type="checkbox"/> | VERIFY | Valid Personnel is | RECOGNIZED |
| <input type="checkbox"/> | VERIFY | Attempt to release third PHOBOS key in Local keytree at 10GE1 is | UNSUCCESSFUL |
| | SCAN | Valid Personnel with Iris Scanner at 10GE1 | |
| <input type="checkbox"/> | VERIFY | Valid Personnel is | RECOGNIZED |
| <input type="checkbox"/> | VERIFY | Attempt to release second PHOBOS key in Local keytree at 10GE1 | SUCCESSFUL |
| <input type="checkbox"/> | VERIFY | Attempt to enter 10GE1 with second PHOBOS key and SR is | SUCCESSFUL |
| | REPLACE | First and second PHOBOS keys in local keytree at 10GE1 | |
| <input type="checkbox"/> | VERIFY | First PHOBOS key <input type="checkbox"/> and Second PHOBOS key <input type="checkbox"/> | REPLACED |
| | PLACE | PEER 7 in Controlled Access (XA), Mode 17 | |
| <input type="checkbox"/> | VERIFY | PEER 7 is in XA | MODE 17 |
| | SCAN | Valid Personnel with Iris Scanner at 10GE1 | |
| <input type="checkbox"/> | VERIFY | Valid Personnel is | RECOGNIZED |
| <input type="checkbox"/> | VERIFY | First PHOBOS key in Local keytree 10GE1 remains | CAPTURED |
| | PLACE | PEER 7 in Restricted Access (Mode 8) | |
| <input type="checkbox"/> | VERIFY | PEER 7 is in Restricted Access | MODE 8 |
- ☐ **Check for acceptance of Test of Iris Scanner and Local Keytree located at gate 10GE1**

1.10 Test of INNER GATE at 10GI1

<input type="checkbox"/>	VERIFY	INNER Gate at 10GI1 has been inspected	
<input type="checkbox"/>	PLACE	PEER 15 in Controlled Access (MODE 16)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Controlled Access	MODE 16
<input type="checkbox"/>	VERIFY	The warning lights and LED message: Stop Call MCR for Access X-7400 Stop on 10Z2 side of the gate is	ON
<input type="checkbox"/>	VERIFY	The 10Z1 gate box Controlled Access light is	ON
<input type="checkbox"/>	OPEN	Gate 10GI1 with Simultaneous Release and #14 CA Key	
<input type="checkbox"/>	VERIFY	Simultaneous Release Buzzer	SOUNDS
<input type="checkbox"/>	VERIFY	Gate 10GI1 is	OPEN
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
<input type="checkbox"/>	SECURE	The Electric Strike micro switch	MADE
<input type="checkbox"/>	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	RELEASE	Div A micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div A	OPEN
<input type="checkbox"/>	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	RELEASE	Div B micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div B	OPEN
<input type="checkbox"/>	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	RELEASE	The Electric Strike micro switch	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
<input type="checkbox"/>	CLOSE	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
<input type="checkbox"/>	VERIFY	The 10Z1 gate box Gate Reset light is	OFF
<input type="checkbox"/>	RESET	The gate with #15 RC Sweep key at 10Z1 inner gate box	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	RESET
<input type="checkbox"/>	VERIFY	The 10Z1 gate box Gate Reset light is	ON
<input type="checkbox"/>	OPEN	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
<input type="checkbox"/>	VERIFY	The 10Z1 gate box Gate Reset light is	OFF
<input type="checkbox"/>	CLOSE	The gate	
<input type="checkbox"/>	PLACE	PEER 15 in Controlled Access (MODE 17)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Controlled Access	MODE 17
<input type="checkbox"/>	VERIFY	The 10Z1 gate box Controlled Access light is	ON
<input type="checkbox"/>	VERIFY	The warning lights and LED message: Stop Call MCR for Access X-7400 Stop on 10Z2 side of the gate is	ON
<input type="checkbox"/>	OPEN	Gate 10GI1 from 10Z1 with the #14 RC CA key and Simultaneous Release	
<input type="checkbox"/>	VERIFY	Attempt to open Gate 10GI1	SUCCESSFUL
<input type="checkbox"/>	OPEN	Gate 10GI1 with Blue Card	
<input type="checkbox"/>	VERIFY	Attempt to open Gate 10GI1 is	FAIL

	PLACE	PEER 15 in Restricted Access (Mode 8)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Restricted Access	MODE 8
<input type="checkbox"/>	VERIFY	The 10Z1 gate box Restricted Access light is	ON
<input type="checkbox"/>	VERIFY	The warning lights and LED message: Access Permitted is	ON
<input type="checkbox"/>	VERIFY	Attempt to open gate 10GI1 with S key is	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open Gate 10GI1 with #14 RC CA key is	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open 10GI1 with Blue card	SUCCESSFUL
<input type="checkbox"/>	VERIFY	Attempt to open 10GI1 with any Expt. _____ card	FAIL
<input type="checkbox"/>	VERIFY	During attempt with Expt. Card Reader light is	RED
	PLACE	PEER 15 in Safe Access (Mode 2)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Safe Access	MODE 2
<input type="checkbox"/>	VERIFY	The 10Z1 gate box Controlled Access light is	ON
<input type="checkbox"/>	VERIFY	The warning lights and LED message: Stop Call MCR for Access X-7400 Stop on 10Z2 side of the gate is	ON
	OPEN	Gate 10GI1 with Simultaneous Release and S Key	
<input type="checkbox"/>	VERIFY	Attempt to open gate 10GI1 with Simultaneous Release and S Key	FAIL
	OPEN	Gate 10GI1 with Simultaneous Release and #14 CA Key	
<input type="checkbox"/>	VERIFY	Gate 10GI1 is	OPEN
	CLOSE	Gate 10GI1	
<input type="checkbox"/>	CHECK	for test acceptance of INNER GATE at 10GI1	

1.11 Test OUTER GATE at 10GI1:

	PLACE	PEER 15 in Controlled Access (MODE 16)	
<input type="checkbox"/>	VERIFY	PEER 15 is in Controlled Access	MODE 16
<input type="checkbox"/>	VERIFY	The warning lights on 10Z2 side of the gate indicate:	ON
		CALL MCR FOR CROSSOVER AMBER	
	OPEN	The gate	
<input type="checkbox"/>	VERIFY	MCR sees the gate is	OPEN
	SECURE	The Electric Strike micro switch	MADE
	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
	RELEASE	Div A micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div A	OPEN
	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED
	RELEASE	Div B micro switch	
<input type="checkbox"/>	VERIFY	MCR indicates Div B	OPEN
	HOLD	Both of the gate micro switches	MADE
<input type="checkbox"/>	VERIFY	MCR sees the gate is	CLOSED

- | | | | |
|--------------------------|----------------|--|---------------|
| | RELEASE | The Electric Strike micro switch | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| | CLOSE | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| <input type="checkbox"/> | CHECK | for test acceptance of OUTER GATE at 10GI1 | |

1.12 Test ESCAPE DOOR at 10EL1:

- | | | | |
|--------------------------|----------------|--|----------------|
| <input type="checkbox"/> | VERIFY | Gate has been inspected | |
| <input type="checkbox"/> | VERIFY | The door cannot be opened from | OUTSIDE |
| <input type="checkbox"/> | VERIFY | PEER 17 is in Restricted Access | MODE 8 |
| | PLACE | PEER 15 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 15 is in Controlled Access | MODE 16 |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| | SECURE | The Security Bar micro switch | MADE |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div A door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div A | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| | RELEASE | Div B door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| | RELEASE | The Security Bar micro switch | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| | CLOSE | The door and latch the Security Bar | |
| <input type="checkbox"/> | VERIFY | The 10EL1 Door Reset light is | OFF |
| | RESET | The Door with #15 RC Sweep key at 10EL1 gate box | |
| <input type="checkbox"/> | VERIFY | MCR sees the 10EL1 door is | RESET |
| <input type="checkbox"/> | VERIFY | The 10EL1 Door Reset light is | ON |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| <input type="checkbox"/> | VERIFY | The 10EL1 gate box Gate Reset light is | OFF |
| | CLOSE | The door | |
| <input type="checkbox"/> | CHECK | for test acceptance of ESCAPE DOOR at 10EL1 | |

1.13 Test of EXIT DOOR 10ED1

- | | | | |
|--------------------------|----------------|--|----------------|
| <input type="checkbox"/> | VERIFY | Gate has been inspected | |
| <input type="checkbox"/> | VERIFY | The door cannot be opened from | OUTSIDE |
| <input type="checkbox"/> | VERIFY | PEER 17 is in Restricted Access | MODE 8 |
| | PLACE | PEER 15 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 15 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The warning light inside the gate indicates: | |
| | | CALL MCR FOR EXIT | AMBER |
| | | | ON |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| | RELEASE | Div A door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div A | OPEN |
| | HOLD | Both of the door micro switches | MADE |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| | RELEASE | Div B door micro switch | |
| <input type="checkbox"/> | VERIFY | MCR indicates Div B | OPEN |
| | CLOSE | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | CLOSED |
| <input type="checkbox"/> | VERIFY | The 10ED1 Door Reset light is | OFF |
| | RESET | The Door with #15 RC Sweep key at 10ED1 gate box | |
| <input type="checkbox"/> | VERIFY | MCR sees the 10ED1 door is | RESET |
| <input type="checkbox"/> | VERIFY | The 10ED1 Door Reset light is | ON |
| | OPEN | The door | |
| <input type="checkbox"/> | VERIFY | MCR sees the door is | OPEN |
| <input type="checkbox"/> | VERIFY | The 10ED1 gate box Gate Reset light is | OFF |
| | CLOSE | The door | |
| <input type="checkbox"/> | CHECK | for test acceptance of ESCAPE DOOR at 10ED1 | |

1.14 Test INNER GATE at 11GS1:

- | | | | |
|--------------------------|---------------|---|----------------|
| <input type="checkbox"/> | VERIFY | Gate has been inspected | |
| | PLACE | PEER 13 in Restricted Access (Mode 8) | |
| <input type="checkbox"/> | VERIFY | PEER 13 is in Restricted Access | MODE 8 |
| | PLACE | PEER 15 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 15 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The warning lights and LED message: Stop Call MCR for Access X-7400 Stop on both sides of the gate are | ON |
| | OPEN | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| | CLOSE | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
| <input type="checkbox"/> | CHECK | for test acceptance of INNER GATE at 11GS1 | |

1.15 Test OUTER GATE at 11GS1:

- | | | | |
|--------------------------|---------------|---|----------------|
| | PLACE | PEER 15 in Controlled Access (MODE 16) | |
| <input type="checkbox"/> | VERIFY | PEER 15 is in Controlled Access | MODE 16 |
| <input type="checkbox"/> | VERIFY | The warning light on both sides of the gate indicates: | |
| | | CALL MCR FOR CROSSOVER AMBER | ON |
| | OPEN | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | OPEN |
| | CLOSE | The gate | |
| <input type="checkbox"/> | VERIFY | MCR sees the gate is | CLOSED |
|
 | | | |
| <input type="checkbox"/> | CHECK | for test acceptance of OUTER GATE at 11GS1 | |

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: ____/____/____

TTL: Sign for completion of final testing: _____

Date: ____/____/____